



**STATE OF TENNESSEE
DEPARTMENT OF HEALTH
ENVIRONMENTAL LABORATORIES**

TDH: Lab Services JRL
Lab Services - Jackson Regional Lab
Jackson, TN 38301
731-426-0686

TDH: Lab Services KRL
Lab Services - Knoxville Regional Lab
Knoxville, TN 37920
865-549-5201

TDH: Lab Services NCL
Lab Services - Nashville Central Lab
Nashville, TN 37243
615-262-6300

Sent To: Geoff Klein
TDEC-DWS
200 East Race St
Knoxville, TN 37763

Lab ID: N00003944
Nashville Central Laboratory

Sampling Agency: TDEC: Division of Water Supply

Billing Code: 327.39-12

This is to certify that the following results were determined using
good laboratory practices and in accordance with federal or state
approved methodologies.


Analytical Supervisor

Lab-Sample Number: N00003944001
Project Name:
Sample Description: RAW
Sampler Project Name: KINGSTON WTP
Project Site No.:
Station No.:
Date/Time Collected: 01/05/2009 09:30
Sampler's Name: BRANDY LONG
County: ROANE - 73
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
Date/Time Received: 01/05/2009 13:40
Received By: P Singh

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: Alkalinity, Total		METHOD: EPA 310.2				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	50	mg/L	3.8	10	M Chen	1/6/2009

TEST: Chloride by IC		METHOD: EPA 300.0				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Chloride by IC	8.5	mg/L	0.25	2.5	P Leathers	1/6/2009

TEST: Fluoride by IC		METHOD: EPA 300.0				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Fluoride by IC	0.086	mg/L	0.028	0.050	P Leathers	1/6/2009

TEST: Hardness, Calcium		METHOD: SM 3500-Ca D				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	37	mg/L	0.7	1	M Chen	1/6/2009

TEST: Sulfate by IC		METHOD: EPA 300.0				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Sulfate by IC	14	mg/L	0.39	2.5	P Leathers	1/6/2009

J - Estimated value between MDL and MQL
 MDL - Method Detection Limit
 MQL - Method Quantitation Limit
 U - Undetected

Lab-Sample Number: N00003944002
Project Name:
Sample Description: FINISHED
Sampler Project Name: KINGSTON WTP
Project Site No.:
Station No.:
Date/Time Collected: 01/05/2009 09:30
Sampler's Name: BRANDY LONG
County: ROANE - 73
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
Date/Time Received: 01/05/2009 13:40
Received By: P Singh

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: Alkalinity, Total		METHOD: EPA 310.2				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	48	mg/L	3.8	10	M Chen	1/6/2009

TEST: Chloride by IC		METHOD: EPA 300.0				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Chloride by IC	15	mg/L	0.25	2.5	P Leathers	1/6/2009

TEST: Fluoride by IC		METHOD: EPA 300.0				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Fluoride by IC	1.1	mg/L	0.028	0.050	P Leathers	1/6/2009

TEST: Hardness, Calcium		METHOD: SM 3500-Ca D				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	40	mg/L	0.7	1	M.Chen	1/6/2009

TEST: Sulfate by IC		METHOD: EPA 300.0				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Sulfate by IC	14	mg/L	0.39	2.5	P Leathers	1/6/2009

J - Estimated value between MDL and MQL
 MDL - Method Detection Limit
 MQL - Method Quantitation Limit
 U - Undetected

Lab-Sample Number: N00003944003
Project Name:
Sample Description: RAW
Sampler Project Name: ROCKWOOD WTP
Project Site No.:
Station No.:
Date/Time Collected: 01/05/2009 11:10
Sampler's Name: BRANDY LONG
County: ROANE - 73
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
Date/Time Received: 01/05/2009 13:40
Received By: P Singh

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: Alkalinity, Total		METHOD: EPA 310.2				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	65	mg/L	3.8	10	M Chen	1/6/2009

TEST: Chloride by IC		METHOD: EPA 300.0				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Chloride by IC	7.4	mg/L	0.25	2.5	P Leathers	1/6/2009

TEST: Fluoride by IC		METHOD: EPA 300.0				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Fluoride by IC	0.083	mg/L	0.028	0.050	P Leathers	1/6/2009

TEST: Hardness, Calcium		METHOD: SM 3500-Ca D				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	50	mg/L	0.7	1	M Chen	1/6/2009

TEST: Sulfate by IC		METHOD: EPA 300.0				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Sulfate by IC	15	mg/L	0.39	2.5	P Leathers	1/6/2009

J - Estimated value between MDL and MQL
 MDL - Method Detection Limit
 MQL - Method Quantitation Limit
 U - Undetected

Lab-Sample Number: N00003944004
Project Name:
Sample Description: FINISHED
Sampler Project Name: ROCKWOOD WTP
Project Site No.:
Station No.:
Date/Time Collected: 01/05/2009 11:10
Sampler's Name: BRANDY LONG
County: ROANE - 73
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
Date/Time Received: 01/05/2009 13:40
Received By: P Singh

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: Alkalinity, Total		METHOD: EPA 310.2				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	54	mg/L	3.8	10	M Chen	1/6/2009

TEST: Chloride by IC		METHOD: EPA 300.0				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Chloride by IC	15	mg/L	0.25	2.5	P Leathers	1/6/2009

TEST: Fluoride by IC		METHOD: EPA 300.0				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Fluoride by IC	1.2	mg/L	0.028	0.050	P Leathers	1/6/2009

TEST: Hardness, Calcium		METHOD: SM 3500-Ca D				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	51	mg/L	0.7	1	M Chen	1/6/2009

TEST: Sulfate by IC		METHOD: EPA 300.0				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Sulfate by IC	15	mg/L	0.39	2.5	P Leathers	1/6/2009

J - Estimated value between MDL and MQL
 MDL - Method Detection Limit
 MQL - Method Quantitation Limit
 U - Undetected



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Knoxville, TN 37920
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TDH: Lab Services NCL
Lab Services - Nashville Central Lab
Nashville, TN 37243
615-262-6300

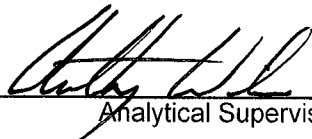
Sent To: Geoff Klein
TDEC-DWS
200 East Race St
Knoxville, TN 37763

Lab ID: N00003944
Nashville Central Laboratory

Sampling Agency: TDEC: Division of Water Supply

Billing Code: 327.39-12

This is to certify that the following results were determined using
good laboratory practices and in accordance with federal or state
approved methodologies.



Analytical Supervisor

Lab-Sample Number: N00003944001
Project Name:
Sample Description: RAW
Sampler Project Name: KINGSTON WTP
Project Site No.:
Station No.:
Date/Time Collected: 01/05/2009 09:30
Sampler's Name: BRANDY LONG
County: ROANE - 73
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
Date/Time Received: 01/05/2009 13:40
Received By: P Singh

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: Digestion Metals		METHOD: EPA 200.2				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	01/06/2009				M Pattanayek	1/6/2009

TEST: ICP		METHOD: EPA 200.7				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium	16	mg/L	0.034	0.10	A Bass	1/6/2009
Iron	150	µg/L	2.9	10	A Bass	1/6/2009
Magnesium	4.0	mg/L	0.070	0.10	A Bass	1/6/2009
Potassium	1.9	mg/L	0.024	0.10	A Bass	1/6/2009
Sodium	10	mg/L	0.027	0.10	A Bass	1/6/2009

TEST: ICP-MS		METHOD: EPA 200.8				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	140	µg/L	6.4	10	M Pattanayek	1/6/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	1/6/2009
Arsenic	U	µg/L	0.93	5	M Pattanayek	1/6/2009
Barium	21	µg/L	2.5	5	M Pattanayek	1/6/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	1/6/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	1/6/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	1/6/2009
Cobalt	0.14J	µg/L	0.04	1	M Pattanayek	1/6/2009
Copper	3.6	µg/L	0.38	1	M Pattanayek	1/6/2009
Lead	0.28J	µg/L	0.10	1	M Pattanayek	1/6/2009
Manganese	32	µg/L	0.42	1	M Pattanayek	1/6/2009
Molybdenum	0.45J	µg/L	0.04	1	M Pattanayek	1/6/2009
Nickel	0.71J	µg/L	0.25	1	M Pattanayek	1/6/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	1/6/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	1/6/2009
Strontium	64	µg/L	0.47	1	M Pattanayek	1/6/2009
Thallium	0.22J	µg/L	0.03	1	M Pattanayek	1/6/2009

Lab-Sample Number: N00003944001
Project Name:
Sample Description: RAW
Sampler Project Name: KINGSTON WTP
Project Site No.:
Station No.:
Date/Time Collected: 01/05/2009 09:30
Sampler's Name: BRANDY LONG
County: ROANE - 73
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
Date/Time Received: 01/05/2009 13:40
Received By: P Singh

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: ICP-MS		METHOD: EPA 200.8				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Uranium	0.09J	µg/L	0.01	1	M Pattanayek	1/6/2009
Vanadium	3.7J	µg/L	3.4	5	M Pattanayek	1/6/2009
Zinc	39	µg/L	1.9	5	M Pattanayek	1/6/2009

TEST: Mercury		METHOD: EPA 245.1				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	U	µg/L	0.13	0.2	A Wilson	1/6/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

U - Undetected

Lab-Sample Number: N00003944002
Project Name:
Sample Description: FINISHED
Sampler Project Name: KINGSTON WTP
Project Site No.:
Station No.:
Date/Time Collected: 01/05/2009 09:30
Sampler's Name: BRANDY LONG
County: ROANE - 73
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
Date/Time Received: 01/05/2009 13:40
Received By: P Singh

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: Digestion Metals		METHOD: EPA 200.2				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	01/06/2009				M Pattanayek	1/6/2009

TEST: ICP		METHOD: EPA 200.7				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium	16	mg/L	0.034	0.10	A Bass	1/6/2009
Iron	5.5J	µg/L	2.9	10	A Bass	1/6/2009
Magnesium	3.9	mg/L	0.070	0.10	A Bass	1/6/2009
Potassium	1.9	mg/L	0.024	0.10	A Bass	1/6/2009
Sodium	13	mg/L	0.027	0.10	A Bass	1/6/2009

TEST: ICP-MS		METHOD: EPA 200.8				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	39	µg/L	6.4	10	M Pattanayek	1/6/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	1/6/2009
Arsenic	U	µg/L	0.93	5	M Pattanayek	1/6/2009
Barium	19	µg/L	2.5	5	M Pattanayek	1/6/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	1/6/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	1/6/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	1/6/2009
Cobalt	0.07J	µg/L	0.04	1	M Pattanayek	1/6/2009
Copper	6.2	µg/L	0.38	1	M Pattanayek	1/6/2009
Lead	0.21J	µg/L	0.10	1	M Pattanayek	1/6/2009
Manganese	U	µg/L	0.42	1	M Pattanayek	1/6/2009
Molybdenum	0.43J	µg/L	0.04	1	M Pattanayek	1/6/2009
Nickel	0.64J	µg/L	0.25	1	M Pattanayek	1/6/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	1/6/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	1/6/2009
Strontium	65	µg/L	0.47	1	M Pattanayek	1/6/2009
Thallium	0.11J	µg/L	0.03	1	M Pattanayek	1/6/2009

Lab-Sample Number: N00003944002
Project Name:
Sample Description: FINISHED
Sampler Project Name: KINGSTON WTP
Project Site No.:
Station No.:
Date/Time Collected: 01/05/2009 09:30
Sampler's Name: BRANDY LONG
County: ROANE - 73
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
Date/Time Received: 01/05/2009 13:40
Received By: P Singh

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: ICP-MS		METHOD: EPA 200.8				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Uranium	U	µg/L	0.01	1	M Pattanayek	1/6/2009
Vanadium	U	µg/L	3.4	5	M Pattanayek	1/6/2009
Zinc	3.4J	µg/L	1.9	5	M Pattanayek	1/6/2009

TEST: Mercury		METHOD: EPA 245.1				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	U	µg/L	0.13	0.2	A Wilson	1/6/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

U - Undetected

Lab-Sample Number: N00003944003
Project Name:
Sample Description: RAW
Sampler Project Name: ROCKWOOD WTP
Project Site No.:
Station No.:
Date/Time Collected: 01/05/2009 11:10
Sampler's Name: BRANDY LONG
County: ROANE - 73
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
Date/Time Received: 01/05/2009 13:40
Received By: P Singh

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: Digestion Metals		METHOD: EPA 200.2				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	01/06/2009				M Pattanayek	1/6/2009

TEST: ICP		METHOD: EPA 200.7				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium	21	mg/L	0.034	0.10	A Bass	1/6/2009
Iron	48	µg/L	2.9	10	A Bass	1/6/2009
Magnesium	6.0	mg/L	0.070	0.10	A Bass	1/6/2009
Potassium	1.8	mg/L	0.024	0.10	A Bass	1/6/2009
Sodium	8.0	mg/L	0.027	0.10	A Bass	1/6/2009

TEST: ICP-MS		METHOD: EPA 200.8				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	39	µg/L	6.4	10	M Pattanayek	1/6/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	1/6/2009
Arsenic	U	µg/L	0.93	5	M Pattanayek	1/6/2009
Barium	28	µg/L	2.5	5	M Pattanayek	1/6/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	1/6/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	1/6/2009
Chromium	2.0J	µg/L	2.0	5	M Pattanayek	1/6/2009
Cobalt	0.09J	µg/L	0.04	1	M Pattanayek	1/6/2009
Copper	2.1	µg/L	0.38	1	M Pattanayek	1/6/2009
Lead	0.13J	µg/L	0.10	1	M Pattanayek	1/6/2009
Manganese	9.1	µg/L	0.42	1	M Pattanayek	1/6/2009
Molybdenum	0.49J	µg/L	0.04	1	M Pattanayek	1/6/2009
Nickel	1.1	µg/L	0.25	1	M Pattanayek	1/6/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	1/6/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	1/6/2009
Strontium	67	µg/L	0.47	1	M Pattanayek	1/6/2009
Thallium	0.07J	µg/L	0.03	1	M Pattanayek	1/6/2009

Lab-Sample Number: N00003944003
Project Name:
Sample Description: RAW
Sampler Project Name: ROCKWOOD WTP
Project Site No.:
Station No.:
Date/Time Collected: 01/05/2009 11:10
Sampler's Name: BRANDY LONG
County: ROANE - 73
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
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Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: ICP-MS		METHOD: EPA 200.8				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Uranium	0.15J	µg/L	0.01	1	M Pattanayek	1/6/2009
Vanadium	U	µg/L	3.4	5	M Pattanayek	1/6/2009
Zinc	41	µg/L	1.9	5	M Pattanayek	1/6/2009

TEST: Mercury		METHOD: EPA 245.1				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	U	µg/L	0.13	0.2	A Wilson	1/6/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

U - Undetected

Lab-Sample Number: N00003944004
Project Name:
Sample Description: FINISHED
Sampler Project Name: ROCKWOOD WTP
Project Site No.:
Station No.:
Date/Time Collected: 01/05/2009 11:10
Sampler's Name: BRANDY LONG
County: ROANE - 73
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
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Priority Date:
Date/Time Received: 01/05/2009 13:40
Received By: P Singh

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: Digestion Metals		METHOD: EPA 200.2				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	01/06/2009		0	0	M Pattanayek	1/6/2009

TEST: ICP		METHOD: EPA 200.7				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium	20	mg/L	0.034	0.10	A Bass	1/6/2009
Iron	U	µg/L	2.9	10	A Bass	1/6/2009
Magnesium	6.0	mg/L	0.070	0.10	A Bass	1/6/2009
Potassium	1.9	mg/L	0.024	0.10	A Bass	1/6/2009
Sodium	9.0	mg/L	0.027	0.10	A Bass	1/6/2009

TEST: ICP-MS		METHOD: EPA 200.8				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	26	µg/L	6.4	10	M Pattanayek	1/6/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	1/6/2009
Arsenic	U	µg/L	0.93	5	M Pattanayek	1/6/2009
Barium	28	µg/L	2.5	5	M Pattanayek	1/6/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	1/6/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	1/6/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	1/6/2009
Cobalt	0.07J	µg/L	0.04	1	M Pattanayek	1/6/2009
Copper	0.47J	µg/L	0.38	1	M Pattanayek	1/6/2009
Lead	U	µg/L	0.10	1	M Pattanayek	1/6/2009
Manganese	U	µg/L	0.42	1	M Pattanayek	1/6/2009
Molybdenum	0.57J	µg/L	0.04	1	M Pattanayek	1/6/2009
Nickel	0.75J	µg/L	0.25	1	M Pattanayek	1/6/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	1/6/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	1/6/2009
Strontium	72	µg/L	0.47	1	M Pattanayek	1/6/2009
Thallium	U	µg/L	0.03	1	M Pattanayek	1/6/2009

Lab-Sample Number: N00003944004
Project Name:
Sample Description: FINISHED
Sampler Project Name: ROCKWOOD WTP
Project Site No.:
Station No.:
Date/Time Collected: 01/05/2009 11:10
Sampler's Name: BRANDY LONG
County: ROANE - 73
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
Date/Time Received: 01/05/2009 13:40
Received By: P Singh

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: ICP-MS		METHOD: EPA 200.8				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Uranium	U	µg/L	0.01	1	M Pattanayek	1/6/2009
Vanadium	U	µg/L	3.4	5	M Pattanayek	1/6/2009
Zinc	23	µg/L	1.9	5	M Pattanayek	1/6/2009

TEST: Mercury		METHOD: EPA 245.1				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	U	µg/L	0.13	0.2	A Wilson	1/6/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

U - Undetected